Appendix E

Visual Contrast Rating Worksheets and Study Area Photos

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Date:	October 9, 2013

Site Visit: September 24-26, 2012

District Farmington

	DUKEAU O	I LAND MAN	NAGEMENT		P
	VISUAL CONTR	AST RATING	G WORKSHEET	Resource Area	Farmington Field Office
				Activity (program) Transmission Line
	S	ECTION A. P	ROJECT INFORMATIO	N	
1. Pro	oject Name San Juan Basin Energy C	onnect	4. Location	5. Location Ske	tch
2 Va	v Observation Point 1		Township 30N	See Exhibit E-	-1
2. Ke	y Observation Point 1		Range 16W		
3. VR	RM Class III		Section 24		
	SECTION B.	CHARACTE	RISTIC LANDSCAPE DI	ESCRIPTION	
	1. LAND/WATER		2. VEGETATION		3. STRUCTURES
FORM	Fairly flat or slightly rolling in FG/MG	Rounded wit dispersed in	h abrupt edge & evenly FG/MG	clumped in	es: Evenly dispersed or FG/MG. Road: Flat in ostation: Ordered & in FG/MG.
LINE	Horizontal towards gradual incline in FG/MG	Horizontal co	onverging band in FG/MC	Towers/pole Road: Linea	es: Vertical in FG/MG. r in FG/MG. Substation: rizontal, & vertical in
COLOR	Brown in FG/MG	Light & med	ium green in FG/MG	FG/MG. Ro	es: Brown or gray in ad: Brown & gray in obstation: Gray in FG/MG.
TEX- TURE	Moderately coarse to mostly smooth in FG/MG	Moderately of FG/MG	coarse to mostly smooth in	Road: Most	es: Stippled in FG/MG. y smooth in FG/MG. Stippled in FG/MG.
	SECTION	ON C. PROPO	SED ACTIVITY DESCR	IPTION	
	1. LAND/WATER		2. VEGETATION		3. STRUCTURES
FORM				Towers: Eve in FG/MG.	enly dispersed or clumped
LINE				Towers: Ver	tical in FG/MG.
COLOR				Towers: Gra	y in FG/MG.
TEX- TURE				Towers: Stip	opled in FG/MG.

		5	SECT	'ION	D. C	ONT	RAS	T RA	TIN	G [SH	IORT	TEI	RM 🛮 LONG TERM
1. FEATURES												2. Does project design meet visual resource		
	DEGREE OF	L	ВО	WATE DY 1)	ER	VE	GETA	TION	(2)	STRUCTURES (3)				management objectives? Yes No (Explain on reverse side)
CONTRAST		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	3. Additional mitigating measures recommended Yes No (Explain on reverse side)
	Form				✓			✓				✓		Evaluator's Names Date
NTS	Line				✓				✓			✓		Derek H. October 2013
ELEMENTS	Color			✓					✓			✓		Amanda N. October 2013
EL	Texture			✓					✓			✓		

Comments from item 2.

The Preferred Alternative or the Proposed Action would add new access roads or improve existing roads. An abrupt edge of vegetation would appear along new and improved roads from vegetation removal. Smooth access roads would stand out against the moderately coarse texture of the terrain. Use of the roads would prevent a crust from forming on the ground surface, thereby giving the ground surface of the road a lighter color than adjacent undisturbed areas. This would affect visual resources by dividing the landscape with areas that lack vegetation, alter the natural topography, and alter the texture and color of the land surface. The new and improved roads would not be highly visible from the KOP due to distance, topography, or vegetation.

The Preferred Alternative or the Proposed Action would add a transmission line to an area containing similar structures and activities. The form, line, color, and texture of the transmission line for the Preferred Alternative or the Proposed Action would resemble nearby structures, since existing transmission line structures are present in these areas. In these areas, similar transmission line structures would be co-located, which minimizes changes to the characteristic landscape.

The new substation would consist of components and activities similar to those at the adjacent substation. The form, line, color, and texture of the substation for the Preferred Alternative or the Proposed Action would resemble adjacent substation components. In these areas, similar facilities would be co-located, which minimizes changes to the characteristic landscape. There would be no sources of permanent lighting. Lighting would be installed, however, in the event maintenance crews need to access the substation at night for repairs. The lighting would only be used when necessary.

The area is highly altered by artificial elements. The level of change to the characteristic landscape from the Preferred Alternative or the Proposed Action would be low. Therefore, the project design would meet visual resource management class objectives.

Additional Mitigating Measures (see item 3)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Date:	October 9, 2013
Site Visit:	September 24-26, 2012

District Farmington

Farmington Field Resource Area VISUAL CONTRAST RATING WORKSHEET Office Activity (program) Transmission Line SECTION A. PROJECT INFORMATION 4. Location San Juan Basin Energy Connect 5. Location Sketch 1. Project Name See Exhibit E-1 Township 30N 2. Key Observation Point 2 Range 14W Section 1 3. VRM Class Ш SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION 1. LAND/WATER 2. VEGETATION 3. STRUCTURES Rolling in FG/MG Rounded & evenly dispersed in FG/MG Evenly dispersed in FG/MG FORM Horizontal with intermixed Horizontal with intermixed diagonals in Vertical in FG/MG LINE diagonals in FG/MG FG/MG Grayish green & green in FG/MG Gray in FG/MG Tan & light brown in FG/MG COLOR Bumpy & uneven to smooth in Moderately coarse to mostly smooth in Stippled in FG/MG FG/MG FG/MG SECTION C. PROPOSED ACTIVITY DESCRIPTION 1. LAND/WATER 2. VEGETATION 3. STRUCTURES Towers: Evenly dispersed in FG/MG. FORM Towers: Vertical in FG/MG. LINE Towers: Gray in FG/MG. COLOR Towers: Stippled in FG/MG. SECTION D. CONTRAST RATING ☐ SHORT TERM □ LONG TERM 1. **FEATURES** 2. Does project design meet visual resource LAND/WATER management objectives? X Yes No DEGREE BODY STRUCTURES (3) VEGETATION (2) (Explain on reverse side) OF (1) CONTRAST 3. Additional mitigating measures recommended Moderate Moderate Moderate Yes No (Explain on reverse side) Strong Strong None Weak Weak None Weak None Form Evaluator's Names Date ELEMENTS Line Derek H. October 2013 ✓ ✓ ✓ Amanda N. October 2013 Color ✓ ✓ Texture

Comments from item 2.

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The level of change to the characteristic landscape from the Preferred Alternative or the Proposed Action would be low to moderate due, in part, to screening by topography and the presence of existing artificial modifications to the natural landscape. Therefore, the project design would meet visual resource management class objectives.

Additional Mitigating Measures (see item 3)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Date:	October 9, 2013
Site Visit:	September 24-26, 2012
District Fa	rmington
Resource Ar	ea Farmington Field

VISUAL CONTRAST RATING WORKSHEET

Office

															ctivity (program) Transmission Line			
						SI	ECTI	ON A	A. PR	OJEO	CT IN	IFOR	MA	ΓΙΟΝ				
1. Pro	oject Name S	an Ju	ıan B	asin l	Energ	у Со	nnec	t	4	4. Loc	cation				5. Location Sketch			
							Township 30N								See Exhibit E-1			
2. Ke	y Observation F]	Range 13W											
2 1/1	OM Class N	NI/A)																
3. VI	dvi Ciass T	ioi aj	риса	ibie (IN/ <i>I</i> A)													
SECTION A. PROJECT INFORMATION 1. Project Name San Juan Basin Energy Connect 4. Location Township 30N Range 13W 3. VRM Class Not applicable (N/A) Section 5 SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION 1. LANDWATER 2. VEGETATION 3. STRUCTURES Flat to rolling in FG/MG Rounded with abrupt edge & isolated or patchy and in FG/MG. Towers/poles/fence: Evenly in FG/MG. Towers/poles/fence: Vertice FG/MG. Tan in FG/MG Tan in FG/MG Road: Flat in FG/MG. Towers/poles/fence: Vertice FG/MG. Tan in FG/MG Towers/poles/fence: Vertice FG/MG. Towers: Vertical in FG/MG. Towers: Stipple for FG/MG. Towers: Vertical in FG/MG. Towers: Stipple for FG/MG. Towers: Vertical in FG/MG. Tow														CRIPTION				
FORM	Flat to rolling				with	abruj	ot edg	ge &	isolat	ted or	Towers/poles/fence: Evenly dispersed							
LINE	Horizontal to	diag	onal	in FC	G/MG	r				verg	ing b	and &	t dia	gonal	Towers/poles/fence: Vertical in			
COLOR	Tan in FG/M	G					Tan	& lig	ht gr	een to	gree	en in	FG/N	ИG				
TEX- TURE	Smooth & ur	neven	in F	G/M(J		Mod	lerate	ly co	arse t	o do	tted in	n FG/	/MG	Towers/poles/fence: Stippled in			
	SECTION C. PROPOSED ACTIVITY DESCRIPTION																	
	1.1	LAND	/WAT	ΈR					2	. VEG	ETAT	ION						
FORM															Towers: Evenly dispersed in FG/MG.			
LINE												TON 3. STRUCTURES Towers: Evenly dispersed in FG/MG Towers: Vertical in FG/MG.						
COLOR															Towers: Gray in FG/MG.			
TEX- TURE															Towers: Stippled in FG/MG.			
L	Flat to rolling in FG/MG Rounded with abrupt edge & isolated or patchy Rounded with abrupt edge & isolated or patchy Rounded with abrupt edge & isolated or patchy Rounded with abrupt edge & isolated or Towers/poles/fence: Evenly dispersed in FG/MG. Horizontal to diagonal in FG/MG Horizontal converging band & diagonal in FG/MG. Road: Linear in FG/MG. Towers/poles/fence: Vertical in FG/MG. Road: Gray, white, and yellow in FG/MG. Road: Gray, white, and yellow in FG/MG. Road: Gray, white, and yellow in FG/MG. Towers/poles/fence: Brown or gray in FG/MG. Road: Gray, white, and yellow in FG/MG. Towers/poles/fence: Brown or gray in FG/MG. Road: Gray, white, and yellow in FG/MG. Towers/poles/fence: Brown or gray in FG/MG. Road: Smooth in FG/MG. Towers/poles/fence: Stippled in FG/MG. Towers/poles/fence: Stippled in FG/MG. Towers: Evenly dispersed in FG/MG. Towers: Gray in FG/MG. Towers: Gray in FG/MG. Towers: Gray in FG/MG. Towers: Stippled in FG/MG. Towers: Stippled in FG/MG. Towers: Gray in FG/MG. Towers: Stippled in FG/MG. Towers: Gray in FG/MG. T																	
1.						1	FEAT	URES	ı	1								
		L	BO	DY	ER	VE	GETA	TION	(2)	ST	RUCT	URES	(3)	_ ~	,			
C	CONTRAST	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None					
	Form				✓			✓			✓							
SLVE	Line				✓				✓		✓			Derek				
ELEMENTS	Color			✓					✓		✓			Aman	da N. October 2013			
EI	Texture	1	l	✓		l	1		✓	l	✓		l					

Comments from item 2.

The Preferred Alternative or the Proposed Action would add new access roads or improve existing roads. An abrupt edge of vegetation would appear along new and improved roads from vegetation removal. Smooth access roads would stand out against the moderately coarse texture of the terrain. Use of the roads would prevent a crust from forming on the ground surface, thereby giving the ground surface of the road a lighter color than adjacent undisturbed areas. This would affect visual resources by dividing the landscape with areas that lack vegetation, alter the natural topography, and alter the texture and color of the land surface. The new and improved roads would not be highly visible from the KOP due to distance, topography, or vegetation.

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The level of change to the characteristic landscape from the Preferred Alternative or the Proposed Action would be moderate.

Additional Mitigating Measures (see item 3)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Date:	October 9, 2013
Site Visit:	September 24-26, 2012
District Fa	armington
D 4	E E'. 1.1

VISUAL CONTRAST RATING WORKSHEET

District Farmington

Resource Area Farmington Field
Office

Activity (program) Transmission Line

														A	Activity (program) Transmission Line	
						CT	CTL	ONT A	DD	OIE	אר דע	IEOP	NAA			
													JVIA	TION	r i di di di	
1. Pro	oject Name S	an Ju	ıan B	asın l	Energ	у Со	nnec	t								
2 Ka	y Observation F	oint	4				ECTION A. PROJECT INFORMATION onnect 4. Location Township 31N Range 13W Section 33 CHARACTERISTIC LANDSCAPE DESCRIPTION 2. VEGETATION 3. STRUCTURES Mostly rounded bush or shrub in FG/MG Horizontal towards diagonal in FG/MG Towers/fence: Evenly dispersed in FG/MG. Structures: Boxy in FG/MG. Green shades in FG/MG Towers/fence: Gray or brown in FG/MG. Structures: White, gray, & green in FG/MG. Slightly coarse in FG/MG Towers/fence: Stippled in FG/MG. Slightly coarse in FG/MG Towers/fence: Stippled in FG/MG. Towers/fence: Stippled in FG/MG. Towers/fence: Stippled in FG/MG. Towers: Evenly dispersed in FG/MG. Towers: Evenly dispersed in FG/MG. Towers: Evenly dispersed in FG/MG. Towers: Stippled in FG/MG. Towers: Stippled in FG/MG.									
2. Ke	y Observation F	OIII	4]	Range 13W						
3. VI	RM Class I	II								Section 33						
				SEC	TION	V В. (CHA	RAC'	TERI	ISTIC LANDSCAPE DESCRIPTION					CRIPTION	
	1.1	LAND	/WAT	ER					2	. VEG	ETAT	ION			3. STRUCTURES	
FORM	Fairly flat or		Mos	tly ro	ounde	d bus	sh or	shrub	in F	G/MG						
LINE	Horizontal to FG/MG	ward	ls inc	line i	n		Hori	zonta	al tow	ards	diago	onal i	n FG	/MG		
COLOR	Light brown	in FC	G/MC	j			Gree	en sha	ades i	n FG	/MG				FG/MG. Structures: White, gray, & green in FG/MG.	
TEX- TURE	Slightly coar FG/MG	se &	unev	en in			Slightly coarse in FG/MG									
	SECTION C. PROPOSED ACTIVITY DESCRIPTION															
	1.]	LAND	/WAT	ER			2. VEGETATION									
FORM															Towers: Evenly dispersed in FG/MG.	
LINE															Towers: Vertical in FG/MG.	
COLOR															Towers: Gray in FG/MG.	
TEX- TURE															Towers: Stippled in FG/MG.	
		5	SECT	ION	D. C	ONT	'RAS	T RA	TIN	G [SH	IORT	TEF	RM [☑ LONG TERM	
1.							FEAT	URES						2. Do	es project design meet visual resource	
	DEGREE OF	L	BO	WATE DY 1)	ER	VE	GETA	TION	(2)	STI	RUCT	URES	(3)		gement objectives? X Yes No nin on reverse side)	
C	CONTRAST	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	3. Add	litional mitigating measures recommended es No (Explain on reverse side)	
	Form				✓			✓			✓			Evalua	ator's Names Date	
NTS	Line				✓				✓		✓			Derek		
ELEMENTS	Color			✓					✓		✓			Aman	da N. October 2013	
EL	Texture			✓					✓		✓			1		

Comments from item 2.

The Preferred Alternative or the Proposed Action would add new access roads or improve existing roads. An abrupt edge of vegetation would appear along new and improved roads from vegetation removal. Smooth access roads would stand out against the moderately coarse texture of the terrain. Use of the roads would prevent a crust from forming on the ground surface, thereby giving the ground surface of the road a lighter color than adjacent undisturbed areas. This would affect visual resources by dividing the landscape with areas that lack vegetation, alter the natural topography, and alter the texture and color of the land surface. The new and improved roads would not be highly visible from the KOP due to distance, topography, or vegetation.

The Preferred Alternative or Proposed Action would add a transmission line to an area containing similar structures and activities. The form, line, color, and texture of the transmission line for the Preferred Alternative or Proposed Action would resemble nearby structures, since existing transmission line structures are present in these areas. In these areas, similar transmission line structures would be co-located, which minimizes changes to the characteristic landscape.

The level of change to the characteristic landscape from the Preferred Alternative or Proposed Action would be low to moderate due, in part, to screening by topography and the presence of artificial structures surrounding KOP 4. Therefore, the project design would meet visual resource management class objectives.

Additional Mitigating Measures (see item 3)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date: October 9, 2013

Site Visit: September 24-26, 2012

District Farmington

Resource Area Farmington Field Office

Activity (program) Transmission Line

SECTION A. PROJECT INFORMATION

1. Project Name San Juan Basin Energy Connect 4. Location Township 30N See Exhibit E-1

2. Key Observation Point 5 Range 12W

3. VRM Class III Section 5

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Rolling in FG/MG & BG.	Mostly rounded bush or shrub with abrupt edge & evenly dispersed in FG/MG. Indiscernible & uniform with digitate edge in BG.	Towers: Evenly dispersed in FG/MG. Road: Flat & rolling in FG/MG.
LINE	Diagonal & horizontal in FG/MG & BG.	Diagonal converging band in FG/MG. Diagonal & horizontal in BG.	Towers: Vertical in FG/MG. Road: Linear in FG/MG.
COLOR	Tan in FG/MG & BG.	Grayish green & green in FG/MG & BG.	Towers: Gray in FG/MG. Road: Tan in FG/MG.
TEX- TURE	Uneven & relatively smooth in FG/MG & BG.	Moderately coarse to mostly smooth in FG/MG. Smooth in BG.	Towers: Stippled in FG/MG. Road: Uneven & relatively smooth in FG/MG.

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM			Towers: Evenly dispersed in FG/MG.
LINE			Towers: Vertical in FG/MG.
COLOR			Towers: Gray in FG/MG.
TEX- TURE			Towers: Stippled in FG/MG.

		,	SECT	TION	D. C	ONT	RAS	T RA	TIN	G [SH	IORT	TEF	RM 🛮 LONG TERM	
1. FEATURES												2. Does project design meet visual resource			
	DEGREE OF	L	ВО	WATE DY 1)	ER	VEGETATION (2)				STRUCTURES (3)				management objectives? Yes No (Explain on reverse side)	
CONTRAST		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	3. Additional mitigating measures recommended Yes No (Explain on reverse side)	
	Form				✓			✓				✓		Evaluator's Names Date	
NTS	Line				✓				✓			✓		Derek H. October 2013	
ELEMENTS	Color			✓					✓			✓		Amanda N. October 2013	
日	Texture			✓					✓			✓			

Comments from item 2.

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The level of change to the characteristic landscape from the Preferred Alternative or the Proposed Action would be low. Therefore, the project design would meet visual resource management class objectives.

Additional Mitigating Measures (see item 3)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Date:	October 9, 2013									
Site Visit:	September 24-26, 2012									
District Fa	armington									
D 4	F F: -1.1									

VISUAL CONTRAST RATING WORKSHEET

Resource Area Farmington Field

															Office		
															Activity (program) Transmission Line		
						SE	ECTI	ON A	. PR	OJEC	CT IN	IFOR	MA	TION			
1. Pro	oject Name S	an Ju	ıan B	asin l	Energ	у Со	nnec	t	4	4. Location					5. Location Sketch		
							Township 3					31N			See Exhibit E-1		
2. Ke	y Observation P		Range 12W														
3 VF	RM Class I		Section 10														
J. VI	CVI Cluss I	•															
				SEC	TION	N B. (CHA	RAC'	TERI	ISTIC	CLA	NDS	CAPI	E DESC	RIPTION		
1. LAND/WATER								-		. VEG					3. STRUCTURES		
FORM	Rolling in FG/MG						Uniform & mostly rounded bush or shrub in FG/MG								Towers/poles: Evenly dispersed or clumped in FG/MG. Substation: Ordered & symmetrical in FG/MG.		
TINE	Horizontal towards incline in FG/MG							zonta	ıl tow	ards	diago	onal i	n FG	Towers/poles: Vertical in FG/MG. Substation: Discrete, horizontal, & vertical in FG/MG.			
COLOR	Light tan in I		Grayish green or green in FG/MG								Towers/poles: Brown or gray in FG/MG. Substation: Gray in FG/MG.						
TEX- TURE	Relatively smooth & uneven in FG/MG							Moderately coarse in FG/MG							Towers/poles: Stippled in FG/MG. Substation: Stippled in FG/MG.		
	SECTION C. PROPOSED ACTIVITY DESCRIPTION																
	1. 1	LAND	/WAT	ΈR			2. VEGETATION								3. STRUCTURES		
FORM														Towers: Evenly dispersed or clumped in FG/MG. Substation: Ordered & symmetrical in FG/MG.			
LINE	E L L L													Towers: Vertical in FG/MG. Substation: Discrete, horizontal, & vertical in FG/MG.			
COLOR	COLOR													Towers: Gray in FG/MG. Substation: Gray in FG/MG.			
TEX- TURE											Towers: Stippled in FG/MG. Substation: Stippled in FG/MG.						
		Ş	SECT	TION	D. C	ONT	RAS	T RA	TIN	G [SE	IORT	TEF	RM 🗵	LONG TERM		
1.						1	FEAT	URES		1					es project design meet visual resource		
DEGREE LAND/WATER BODY VF OF (1)							GETA	TION	(2)	STI	RUCT	URES	(3)		ement objectives? X Yes No in on reverse side)		
C	CONTRAST	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	3. Addi	itional mitigating measures recommended s No (Explain on reverse side)		
	Form				✓			✓			✓			Evalua	tor's Names Date		
SLNE	Line				✓				✓		✓			Derek l			
ELEMENTS	Color			✓					✓		✓			Amand	da N. October 2013		
団	Texture			✓					✓		✓						

Comments from item 2.

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The level of change to the characteristic landscape from the Preferred Alternative or the Proposed Action would be moderate. Therefore, the project design would meet visual resource management class objectives.

Additional Mitigating Measures (see item 3)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Date: October 9, 2013
Site Visit: September 24-26, 2012
District Farmington

		UAL	CON	JTR A	AST I	RAT	ING	WO	RKS	нее	Т		Resource Area	Farmington Field Office			
										Activity (program) Transmission L							
						SE	ECTI	ON A	A. PR	OJEO	CT IN	IFOR	MA	ΓION			
1. Pro	ject Name S	an Ju	ıan B	asin I	Energ		DECTION A. PROJECT INFORMATION onnect 4. Location								5. Location Sket	tch	
										Town	ship _	32N			See Exhibit E-	1	
2. Key Observation Point 7										Range	<u> 11</u>	W					
3. VRM Class IV										Section	on <u>7</u>						
SECTION B. CH							CHA	RAC	TER	STIC	LA	NDS	CAPI	E DES	SCRIPTION		
			/WAT							. VEG						. STRUCTURES	
FORM	Rolling in FO	G/MC	3 & B	8G			trees	in F		3. Ind	iscer	nible	ushes & un	& niform	Roads: Criss	nly dispersed in FG/MG. crossed in FG/MG. Boxy in FG/MG.	
LINE	Diagonal & horizontal in FG/MG. Horizontal in BG.								& ho al in I		ıtal in	FG/	MG.	Diagonal &	tical in FG/MG. Roads: horizontal in FG/MG. Discrete in FG/MG.		
COLOR	Tan in FG/MG & BG							vish g G.	green	or gr	een ii	n FG/	MG.		y in FG/MG. Roads: Tan Structures: Light gray or n FG/MG.		
Relatively smooth & uneven FG/MG & BG							Relatively smooth in FG/MG & smooth in BG									pled in FG/MG. Roads: G/MG. Structures: G/MG.	
	SECTION C. PROPOSED ACTIVITY DESCRIPTION																
1. LAND/WATER									2	. VEG	ETAT	ION			. STRUCTURES		
FORM														Poles: Evenl	y dispersed in FG/MG.		
LINE															Poles: Vertic	cal in FG/MG.	
COLOR	COLOR													Poles: Brown	n in FG/MG.		
TEX- TURE										Poles: Stippl	ed in FG/MG.						
			SECT	ION	D. C	ONT	'RAS'	T RA	TIN		SE	ORT	TEF	RM	LONG TER	 M	
1.				1011			FEAT									meet visual resource	
DEGREE LAND/WATER BODY VE						VE	GETA	TION	(2)	ST	RUCT	URES	(3)	man		s? Xes No	
C	ONTRAST	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	_	3. Additional mitigating measures recommended Yes No (Explain on reverse side)		
	Form				✓			✓			✓			Eval	uator's Names	Date	
ENTS	Line				✓				✓		✓			Dere		October 2013	
ELEMENTS	Color			√					√			✓		Ama	October 2013		

Comments from item 2.

The Preferred Alternative or the Proposed Action would add new access roads or improve existing roads. An abrupt edge of vegetation would appear along new and improved roads from vegetation removal. Smooth access roads would stand out against the moderately coarse texture of the terrain. Use of the roads would prevent a crust from forming on the ground surface, thereby giving the ground surface of the road a lighter color than adjacent undisturbed areas. This would affect visual resources by dividing the landscape with areas that lack vegetation, alter the natural topography, and alter the texture and color of the land surface. The new and improved roads would not be highly visible from the KOP due to distance, topography, or vegetation.

The Preferred Alternative or the Proposed Action would add a transmission line to an area lacking similar nearby structures. The transmission line would sit on top of minor elevated areas. Although the form, line, and texture of the transmission line for the Preferred Alternative or the Proposed Action would not resemble nearby structures, the color of the poles is found in the surrounding landscape. Few viewer groups frequent this area and the surrounding area contains numerous well pads. Therefore, the Preferred Alternative or the Proposed Action would continue the visual theme of energy-related development in the area.

The level of change to the characteristic landscape from the Preferred Alternative or the Proposed Action would be moderate. Therefore, the project design would meet visual resource management class objectives.

Additional Mitigating Measures (see item 3)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Date:	October 9, 2013
Site Visit:	September 24-26, 2012

District Farmington

Resource Area	Farmington Field
	Office

		UAL	CON	NTRA	AST	RAT	ING	WO	RKS	HEE	Т]	Resource Area	Farmington Field Office		
														-	Activity (program)	Transmission Line
						SE	ECTI	ON A	A. PR	OJEO	CT IN	IFOR	RMA'	ΓΙΟΝ		
1. Pro	oject Name S	San Ju	ıan B	asin I	Energ	у Со	nnec	t	4	4. Lo	cation			5. Location Sket	ch	
	O1 F									Town	ship _	32N			See Exhibit E-	1
2. Ke	y Observation F	'oınt	8]	Range	e <u>11</u>	W				
3. VRM Class IV (in vicinity)							Section 10									
SECTION B. CI								IARACTERISTIC LANDSCAPE DESCRIPTION								
	1. 1	LAND	/WAT	ER			2. VEGETATION								3	. STRUCTURES
FORM	Rolling in FG/MG								niforr in FC			y rou	nded	Not applicab	le	
LINE	Horizontal towards incline in FG/MG							zonta	al tow	ards	diago	onal i	n FG	Not applicab	le	
COLOR	Light brown in FG/MG							ish g	reen	or gr	een i	n FG/	/MG	Not applicab	le	
TEX- TURE	Relatively smooth & uneven in FG/MG							erate	ly co	arse i	in FG	J/MG		Not applicab	le	
I	SECTION C. PROPOSED ACTIVITY DESCRIPTION															
	1. LAND/WATER								2	. VEG	ETAT	ION			. STRUCTURES	
FORM	FORM													Poles: Evenl	y dispersed in FG/MG.	
LINE															Poles: Vertic	al in FG/MG.
COLOR														Poles: Brown	n in FG/MG.	
TEX- TURE	TURE														Poles: Stippl	ed in FG/MG.
<u> </u>	l	,	SECT	ION	D. C	ONT	RAS	T RA	TIN	G [SI	IORT	TEF	RM	LONG TER	M
1.		FEAT	URES								meet visual resource					
	DEGREE OF	L		WATE DY 1)	ER	VE	GETA	TION	(2)	ST	RUCT	URES	(3)		gement objectives lain on reverse side	? X Yes No
C	CONTRAST	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	3. Ac	g measures recommended lain on reverse side)	
	Form				✓			✓			✓			Evalı	uator's Names	Date
ENTS	Line				✓				✓		✓			Dere		October 2013
ELEMENTS	Color			√					√			✓		Ama	nda N.	October 2013

Comments from item 2.

The Preferred Alternative or the Proposed Action would add new access roads or improve existing roads. An abrupt edge of vegetation would appear along new and improved roads from vegetation removal. Smooth access roads would stand out against the moderately coarse texture of the terrain. Use of the roads would prevent a crust from forming on the ground surface, thereby giving the ground surface of the road a lighter color than adjacent undisturbed areas. This would affect visual resources by dividing the landscape with areas that lack vegetation, alter the natural topography, and alter the texture and color of the land surface. The new and improved roads would not be highly visible from the KOP due to distance, topography, or vegetation.

The Preferred Alternative or the Proposed Action would add a transmission line to an area lacking similar nearby structures. The transmission line would sit on top of minor elevated areas. Although the form, line, and texture of the transmission line for the Preferred Alternative or the Proposed Action would not resemble nearby structures, the color of the poles is found in the surrounding landscape. Few viewer groups frequent this area and the surrounding area contains numerous well pads. Therefore, the Preferred Alternative or the Proposed Action would continue the visual theme of energy-related development in the area.

The level of change to the characteristic landscape from the Preferred Alternative or the Proposed Action would be moderate. Therefore, the project design would meet visual resource management class objectives.

Additional Mitigating Measures (see item 3)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Date:	October 9, 2013
Site Visit:	September 24-26, 2012
District Fa	armington

VISUAL CONTRAST RATING WORKSHEET

Resource Area Farmington Field
Office

														A	Activity (program) Transmission Line
						SI	ECTI	ON A	A. PR	OJEO	CT IN	IFOR	MA	TION	
1. Pro	oject Name S	an Ju	ıan B	asin l	Energ	у Со	onnect 4. Location								5. Location Sketch
									,	Town	ship _	32N			See Exhibit E-1
2. Key Observation Point 9 (Preferred Alte								e)]	Range 10W					
2 1/1	RM Class I		Section 8												
3. V F	dvi Ciass I	V												,	
				SEC	TION	\ В.	CHA	RAC'	TERI	ISTIC	CLA	NDS	CAPI	E DES	CRIPTION
			/WAT				2. VEGETATION Mostly uniform & mostly rounded trees								3. STRUCTURES
FORM	Rolling or terraced in FG/MG								niforr in FC			y rou	nded	trees	None
	Horizontal or	r diag	gonal	in FO	G/MG	j	Horizontal towards diagonal in FG/MG								None
LINE		zonan or dangoran mer epire									C				
COLOR	Light or dark	tan i	in FG	/MG			Green shades in FG/MG								None
00															
X- RE	Uneven & m		Mod	erate	ly sm	ooth	in F	G/MC	3	None					
TE TE	mostly smooth in FG/MG														
	SECTION C. PROPOSED ACTIVITY DESCRIPTION														
	1.1	LAND	/WAT	ER			2. VEGETATION								3. STRUCTURES
M															Poles: Evenly dispersed in FG/MG.
FORM	N														
[17]															Poles: Vertical in FG/MG.
LINE															
~														Poles: Brown in FG/MG.	
COLOR															
0														Dalam Skinglad in EC/MC	
EX- JRE															Poles: Stippled in FG/MG.
TE															
		S	SECT	ION	D. C	ONT	'RAS	T RA	TIN	G [SH	IORT	TEF	RM [LONG TERM
1.			AND	X / A /DE	ı.D	1	FEAT	URES		1					pes project design meet visual resource
	DEGREE LAND/WATER BODY VI OF (1)							TION	(2)	ST	RUCT	URES	(3)		gement objectives? X Yes No No ain on reverse side)
C	ONTRAST													3. Ad	ditional mitigating measures recommended
		gu	Moderate	¥	o	gu	Moderate	¥	ပ	gu	Moderate	¥	စ		
		Strong	Mod	Weak	None	Strong	Моо	Weak	None	Strong	Mod	Weak	None		
7.0	Form				✓			✓			✓				ator's Names Date
ENT	Line				✓				✓		✓			Derek Aman	
ELEMENTS	Color			✓					✓			✓		2 x111411	Get0001 2013
田	Texture	l	1	✓	1	1	1		✓	1	✓	1	l	Ì	

Comments from item 2.

The Preferred Alternative would add new access roads or improve existing roads. An abrupt edge of vegetation would appear along new and improved roads from vegetation removal. Smooth access roads would stand out against the moderately coarse texture of the terrain. Use of the roads would prevent a crust from forming on the ground surface, thereby giving the ground surface of the road a lighter color than adjacent undisturbed areas. This would affect visual resources by dividing the landscape with areas that lack vegetation, alter the natural topography, and alter the texture and color of the land surface. The new and improved roads would not be highly visible from the KOP due to distance, topography, or vegetation.

For KOP 9, the Preferred Alternative would add a transmission line to an area lacking similar nearby structures. The transmission line would span topographic depressions and would sit on top of prominent elevated areas. Due to distance, minor changes would be visible to the skyline of the ridgeline to the west of KOP 9. Compared to the ridgeline to the west of KOP 9, the changes to the skyline of the ridgeline to the east of KOP 9 would be more visible, because the ridgeline is much closer.

This segment of the Preferred Alternative would not be co-located with similar structures or activities. The centerline of the proposed transmission line would pass within approximately 800 feet of a natural stone arch, which is an area visited for recreation. The transmission line, however, would be at a lower elevation than the stone arch. Also, the surrounding area contains Road 2310 with vehicles traveling at a modest rate of speed perpendicular to the transmission line, thereby allowing opportunities for viewing the arch and canyon surroundings.

The form and line of the Preferred Alternative would not resemble nearby elements and would create a moderate degree of contrast. The Preferred Alternative would create a weak degree of contrast with respect to color, because the color of the poles is found in the surrounding landscape due to the self-weathering steel poles that would turn to a rust color over time. The texture of the Preferred Alternative would create a moderate degree of contrast, because the Preferred Alternative rises above the dominant natural landscape feature (juniper trees).

The level of change to the characteristic landscape from the Preferred Alternative would be moderate overall. Therefore, the project design would meet visual resource management class objectives.

Additional Mitigating Measures (see item 3)

There is no mitigation for reducing landscape disturbances in this VRM IV area.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Date:	October 9, 2013
Site Visit:	September 24-26, 2012

District	Farmington	

VISUAL	CONTRA	AST RA	ATING	- WORKSHEET
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Farmington Field

			VIS	UAL	CON	NTRA	AST 1	RAT	ING	WO	RKS	HEE	Т	Office
					Activity (program) Transmission Line									
						SE	ECTI	ON A	A. PR	OJEC	CT IN	IFOR	MA	TION
1. Pro	oject Name S	asin l	Energ	gy Co	nnec	t		4. Loc	cation			5. Location Sketch		
	Ol (' F		I A -4:				Town	ship _	32N		See Exhibit E-1			
2. Ke	y Observation F	omt	9	(Proj	posed	Acu	ion)			Range	10	W		
3. VF	RM Class I						Section	on <u>8</u>						
				SEC	TION	V В. (CHA	RAC'	TER	ISTIC	LA	NDS	CAPI	E DESCRIPTION
			/WAT			1				. VEG				3. STRUCTURES
FORM	Rolling or te	rrace	d in F	FG/M	G					n & r G/MC		y rou	nded	1 trees None
LINE	Horizontal or	}	Hori	zonta	al tow	ards/	diago	onal i	n FG	G/MG None				
COLOR	Light or dark		Gree	n sha	ades i	n FG	/MG			None				
TEX- TURE	Uneven & m mostly smoo				th to		Mod	erate	ly sm	nooth	in F0	G/MC	Ĵ	None
					SEC	CTIO	N C.	PRO	POS	ED A	.CTI	VITY	DES	SCRIPTION
	1. LAND/WATER 2. VEGETATION 3. STRUCTURES													
FORM														Poles: Evenly dispersed in FG/MG.
LINE														Poles: Vertical in FG/MG.
COLOR										Poles: Brown in FG/MG.				
TEX- TURE														Poles: Stippled in FG/MG.
I		S	SECT	ION	D. C	ONT	'RAS'	T RA	TIN	G [SE	IORT	TEF	RM 🛮 LONG TERM
1.			AND	STATE	ın.		FEAT	URES		1				2. Does project design meet visual resource
DEGREE LAND/WATER BODY VE OF (1)							EGETA	TION	(2)	STI	RUCT	URES	(3)	management objectives? Yes No (Explain on reverse side)
C	ONTRAST	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	3. Additional mitigating measures recommended Yes No (Explain on reverse side)
7.0	Form				✓			✓		✓				Evaluator's Names Date
ENTS	Line				✓				✓	✓				Derek H. October 2013
ELEMENTS	Color			√					√		-	✓		Amanda N. October 2013
	☐ Texture									✓		l		

Comments from item 2.

The Proposed Action would add new access roads or improve existing roads. A butt edge of vegetation would appear along new and improved roads from vegetation removal. Smooth access roads would stand out against the moderately coarse texture of the terrain. Use of the roads would prevent a crust from forming on the ground surface, thereby giving the ground surface of the road a lighter color than adjacent undisturbed areas. This would affect visual resources by dividing the landscape with areas that lack vegetation, alter the natural topography, and alter the texture and color of the land surface. The new and improved roads would not be highly visible from the KOP due to distance, topography, or vegetation.

For KOP 9, the Proposed Action would add a transmission line to an area lacking similar nearby structures. The transmission line would span topographic depressions and would sit on top of prominent elevated areas. Due to distance, minor changes would be visible to the skyline of the ridgeline to the west of KOP 9. The changes to the skyline of the ridgeline to the east of KOP 9 would be more visible, because the ridgeline is much closer.

This segment of the Proposed Action would not be co-located with similar structures or activities. The centerline of the proposed transmission line would pass within approximately 400 feet of a natural stone arch, which is an area visited for recreation. Also, the surrounding area contains Road 2310 with vehicles traveling at a modest rate of speed perpendicular to the transmission line, thereby allowing opportunities for viewing the arch and canyon surroundings.

The form and line of the Proposed Action would not resemble nearby elements and would create a strong degree of contrast. The Proposed Action would create a weak degree of contrast with respect to color, because the color of the poles is found in the surrounding landscape due to the self-weathering steel poles that would turn to a rust color over time. The texture of the Proposed Action would create a moderate degree of contrast, because the Proposed Action rises above the dominant natural landscape feature (juniper trees).

The level of change to the characteristic landscape from the Proposed Action would be mostly moderate overall. Therefore, the project design would meet visual resource management class objectives.

Additional Mitigating Measures (see item 3)

There is no mitigation for reducing landscape disturbances in this VRM IV area.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Date:	October 9, 2013	
Site Visit:	September 24-26, 2012	
District Fa	rmington	
Resource Ar	ea Farmington Field Office	

VISUAL CONTRAST RATING WORKSHEET

Activity (program) Transmission Line SECTION A. PROJECT INFORMATION 5. Location Sketch 1. Project Name San Juan Basin Energy Connect 4. Location See Exhibit E-1 Township 32N 10 2. Key Observation Point Range 10W Section 10 3. VRM Class Not applicable (N/A) SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION 1. LAND/WATER 3. STRUCTURES 2. VEGETATION Flat towards dramatic rolling in Uniform & rounded in FG/MG Boxy or flat in FG/MG FORM FG/MG Horizontal towards diagonal in Horizontal towards diagonal in FG/MG Discrete or linear in FG/MG FG/MG Tan in FG/MG Green shades in FG/MG Brown shades, medium gray, white, COLOR light green, red, or gray in FG/MG Relatively smooth & uneven Relatively smooth & dotted in FG/MG Dotted in FG/MG TEX-TURE SECTION C. PROPOSED ACTIVITY DESCRIPTION 2. VEGETATION 3. STRUCTURES 1. LAND/WATER Poles: Evenly dispersed in FG/MG. FORM Aerial Marker Balls: Round. Poles: Vertical in FG/MG. LINE Aerial Marker Balls: Horizontal. Poles: Brown in FG/MG. COLOR Aerial Marker Balls: Orange, white, yellow. Poles: Stippled in FG/MG. Aerial Marker Balls: Dotted. SECTION D. CONTRAST RATING ☐ SHORT TERM □ LONG TERM 1. **FEATURES** 2. Does project design meet visual resource LAND/WATER management objectives? Yes No N/A DEGREE STRUCTURES (3) BODY VEGETATION (2) (Explain on reverse side) OF 3. Additional mitigating measures recommended CONTRAST Moderate Yes No (Explain on reverse side) Strong Weak Weak Weak None Form ✓ ✓ Evaluator's Names Date ELEMENTS Derek H. October 2013 Line ✓ ✓ ✓ Amanda N. October 2013 Color ✓ ✓ Texture

Comments from item 2.

The Preferred Alternative or the Proposed Action would add new access roads or improve existing roads. An abrupt edge of vegetation would appear along new and improved roads from vegetation removal. Smooth access roads would stand out against the moderately coarse texture of the terrain. Use of the roads would prevent a crust from forming on the ground surface, thereby giving the ground surface of the road a lighter color than adjacent undisturbed areas. This would affect visual resources by dividing the landscape with areas that lack vegetation, alter the natural topography, and alter the texture and color of the land surface. The new and improved roads would not be highly visible from the KOP due to distance, topography, or vegetation.

The Preferred Alternative or the Proposed Action would add a transmission line to an area lacking similar nearby structures. The transmission line would sit on top of prominent elevated areas. The aerial marker balls would attract a viewer's attention. At its lowest point, the power line would be approximately 187 feet above the Animas River for the Preferred Alternative and 202 feet above the Animas River for the Proposed Action. Although the line of the transmission line for the Preferred Alternative or the Proposed Action would not resemble nearby structures, the form, color, and texture of the poles is found in the surrounding landscape. Also, the surrounding area contains Highway 550 with vehicles traveling at a high rate of speed perpendicular to the transmission line, thereby limiting viewing time of the transmission line.

The level of change to the characteristic landscape from the Preferred Alternative or the Proposed Action would be mostly moderate overall.

Additional Mitigating Measures (see item 3)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

VISUAL CONTRAST RATING WORKSHEET

Date: October 9, 2013

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District Farmington

Resource Area

Farmington Field Office

Activity (program) Transmission Line

														Activity (program) Transmission Line
						SE	ECTI	ON A	A. PR	OJEO	CT IN	IFOR	RMA	TION
1. Pro	1. Project Name San Juan Basin Energy Connect										cation			5. Location Sketch
										Town	ship _	33N		See Exhibit E-1
2. Key Observation Point 11										Range				
3 VR	3. VRM Class Not applicable (N/A)										on <u>3</u>	6		
J. VI	avi cluss 1	<i>(</i> .	1 1/11)											
				SEC	TIOI	N B. (CHA	RAC	TER	ISTIC	CLA	NDS	CAPI	E DESCRIPTION
	1.1						. VEG				3. STRUCTURES			
FORM	Fairly flat or	rolliı	ng in	FG/N	ИG			, & n					diffu sed in	
LINE	Horizontal to incline in FG			derat	e			zonta G/M(iverg	ing b	and &	k diag	gonal Poles: Vertical in FG/MG. Road: Curving in FG/MG.
COLOR	Tan in FG/M		Gray	ish g	reen	or gr	een i	n FG/	/MG	Poles: Brown in FG/MG. Road: Tan & gray in FG/MG.				
TEX- TURE	Uneven & m mostly smoo		Mod FG/N		ly co	arse t	o mo	stly s	smoot	th in Poles: Stippled in FG/MG. Road: Mostly smooth in FG/MG.				
					SEC	CTIO	N C.	PRO	POS	ED A	CTI	VITY	DES	SCRIPTION
	1.1					2	. VEG	ETAT	ION		3. STRUCTURES			
FORM														Poles: Evenly dispersed in FG/MG.
LINE														Poles: Vertical in FG/MG.
COLOR														Poles: Brown in FG/MG.
TEX- TURE														Poles: Stippled in FG/MG.
		Ş	SECT	ION	D. C	ONT	'RAS'	T RA	TIN	G [SE	IORT	TEF	RM 🛮 LONG TERM
1.							FEAT	URES						2. Does project design meet visual resource
DEGREE LAND/WATER BODY VE OF (1)							GETA	TION	(2)	ST	RUCT	URES	(3)	management objectives? Yes No N/A (Explain on reverse side)
CONTRAST g						Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	3. Additional mitigating measures recommended Yes No (Explain on reverse side)
	Form				✓			✓			✓			Evaluator's Names Date
SLVE	Line				✓				✓		✓			Derek H. October 2013
LEMENTS	Color			✓					✓			✓		Amanda N. October 2013

Comments from item 2.

The Preferred Alternative or the Proposed Action would add new access roads or improve existing roads. An abrupt edge of vegetation would appear along new and improved roads from vegetation removal. Smooth access roads would stand out against the moderately coarse texture of the terrain. Use of the roads would prevent a crust from forming on the ground surface, thereby giving the ground surface of the road a lighter color than adjacent undisturbed areas. This would affect visual resources by dividing the landscape with areas that lack vegetation, alter the natural topography, and alter the texture and color of the land surface. The new and improved roads would not be highly visible from the KOP due to distance, topography, or vegetation.

The Preferred Alternative or the Proposed Action would add a transmission line to an area containing similar structures and activities. The form, line, color, and texture of the transmission line for the Preferred Alternative or the Proposed Action would resemble nearby structures. The surrounding area contains numerous well pads. Therefore, the Preferred Alternative or the Proposed Action would continue the visual theme of energy-related development in the area. Also, few viewer groups frequent this area.

The level of change to the characteristic landscape from the Preferred Alternative or the Proposed Action would be moderate.

Additional Mitigating Measures (see item 3)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Date: October 9, 2013	3
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Site Visit: September 24-26, 2012

District Farmington

	VISUAL CONTR	AST RATIN	G WORKSHEET	Resource Area	Farmington Field Office			
				Activity (program) Transmission Line			
	S	ECTION A. P	ROJECT INFORMATIO	N				
1. Pro	oject Name San Juan Basin Energy C	onnect	4. Location	5. Location Ske				
2 V-	y Observation Point 12		Township 33N	See Exhibit E	-1			
2. Ke	y Observation Point 12		Range 8W					
3. VR	RM Class Not applicable (N/A)		Section 1					
	SECTION B.	CHARACTE	RISTIC LANDSCAPE DI	ESCRIPTION				
	1. LAND/WATER		2. VEGETATION	3	3. STRUCTURES			
FORM	Fairly flat or slightly rolling in FG/MG	Stunted with dispersed in	abrupt edge & evenly FG/MG	or clumped FG/MG. Str Substation: in FG/MG.	es/fence: Evenly dispersed in FG/MG. Road: Flat in ructures: Boxy in FG/MG. Ordered & symmetrical Substation: Discrete, & vertical in FG/MG.			
LINE	Horizontal towards gradual incline in FG/MG	Mostly horiz	ontal in FG/MG	FG/MG. Ro	Towers/poles/fence: Vertical in FG/MG. Road: Linear in FG/MG. Structures: Discrete in FG/MG.			
COLOR	Brown in FG/MG	Light & med brown in FG	lium green, yellow, or ligh /MG	FG/MG. Ro FG/MG. Str	es/fence: Brown or gray in ad: Brown & gray in uctures: Gray shades in bstation: Gray in FG/MG.			
TEX-TURE	Moderately smooth in FG/MG	Moderately of FG/MG	coarse to mostly smooth in	FG/MG. Ro FG/MG. Str	es/fence: Stippled in ad: Mostly smooth in actures: Dotted in bstation: Stippled in			
	SECTION	ON C. PROPO	SED ACTIVITY DESCR	IPTION				
	1. LAND/WATER		2. VEGETATION	3	3. STRUCTURES			
FORM				Substation: in FG/MG.	Ordered & symmetrical			
LINE				Substation: vertical in F	Discrete, horizontal, & G/MG.			
COLOR				Substation: Gray in FG/MG.				
TEX- TURE				Substation:	Stippled in FG/MG.			

	SECTION D. CONTRAST RATING SHORT TERM LONG TERM														
1.			FEATURES											2. Does project design meet visual resource	
	DEGREE OF	L	ВО	WATE DY 1)	ER	VE	GETA	TION	(2)	STRUCTURES (3)				management objectives? Yes No N/A (Explain on reverse side)	N/A
CONTRAST		Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	3. Additional mitigating measures recommended Yes No (Explain on reverse side)	
	Form				✓			✓			✓			Evaluator's Names Date	
ELEMENTS	Line				✓				✓		✓			Derek H. October 2013	
	Color			✓					✓		✓			Amanda N. October 2013	
	Texture			✓					✓		✓				

Comments from item 2.

The Preferred Alternative or the Proposed Action would add new access roads or improve existing roads. An abrupt edge of vegetation would appear along new and improved roads from vegetation removal. Smooth access roads would stand out against the moderately coarse texture of the terrain. Use of the roads would prevent a crust from forming on the ground surface, thereby giving the ground surface of the road a lighter color than adjacent undisturbed areas. This would affect visual resources by dividing the landscape with areas that lack vegetation, alter the natural topography, and alter the texture and color of the land surface. The new and improved roads would not be highly visible from the KOP due to distance, topography, or vegetation.

The Preferred Alternative or the Proposed Action would add conductors to existing transmission line structures. No additional transmission line structures would be added; therefore, views would change minimally.

The Preferred Alternative or the Proposed Action would expand the existing substation. The expanded substation would be approximately twice the size of the existing substation. The existing substation is 2.5 acres, and the expanded substation would expand the substation to an area of 5 acres. An additional 1 acre area outside of the substation would provide a buffer around the site. The expanded substation would consist of components and activities similar to those at the existing substation. The form, line, color, and texture of the substation for the Preferred Alternative or the Proposed Action would resemble existing substation components. In this area, similar structures would be co-located, which would minimize changes to the characteristic landscape.

There would be no sources of permanent lighting. Lighting would be installed, however, in the event maintenance crews need to access the substation at night for repairs. The lighting would only be used when necessary.

The level of change to the characteristic landscape from the Preferred Alternative or the Proposed Action would be moderate.

Additional Mitigating Measures (see item 3)

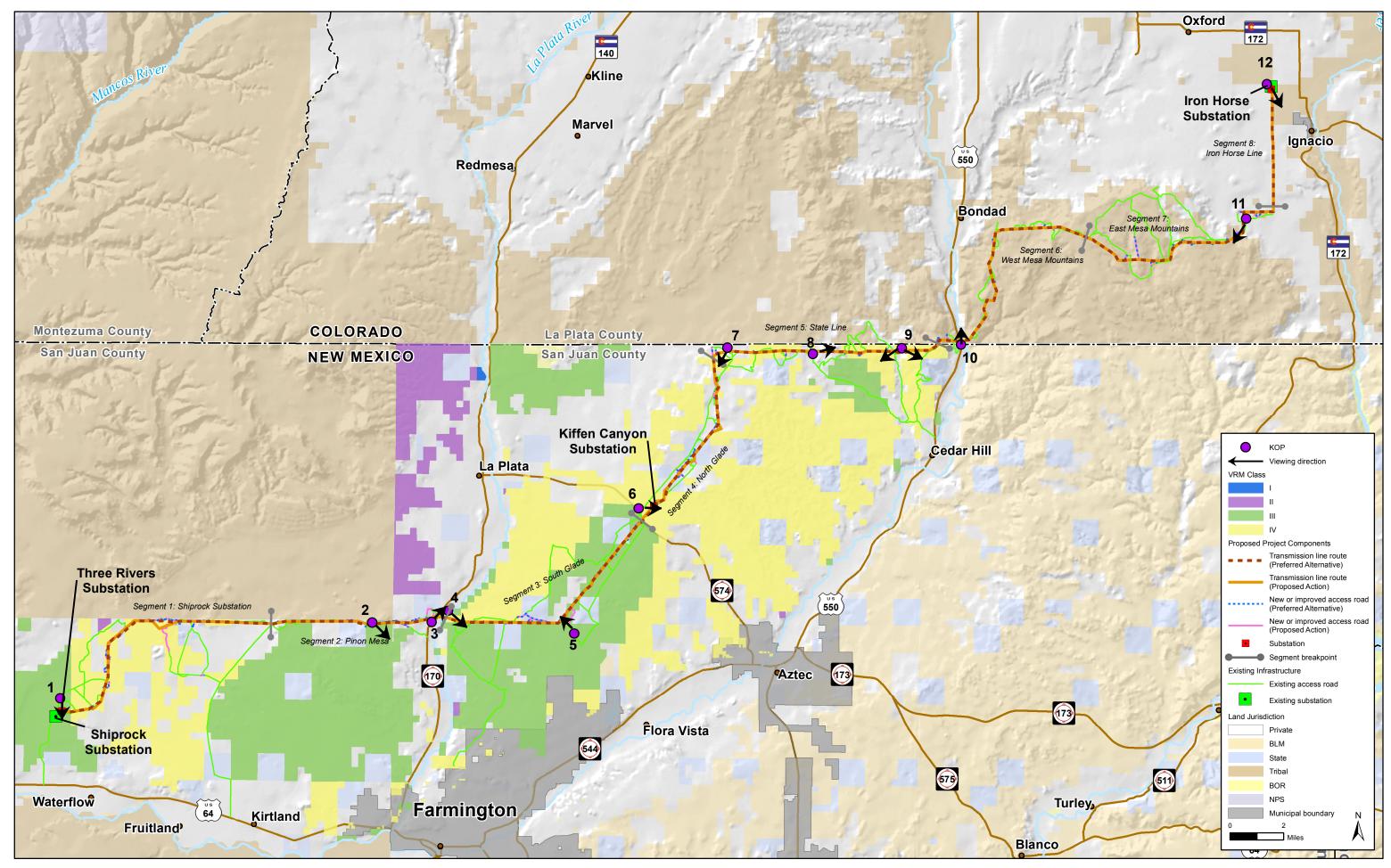


Exhibit E-2 Key Observation Point 1







Exhibit E-4
Key Observation Point 3



Exhibit E-5
Key Observation Point 4



Exhibit E-6
Key Observation Point 5



Exhibit E-7
Key Observation Point 6



Exhibit E-8
Key Observation Point 7



Exhibit E-9
Key Observation Point 8



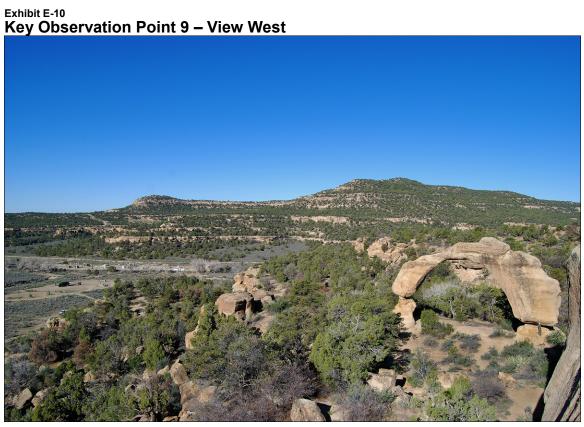






Exhibit E-11
Key Observation Point 10



Exhibit E-12 Key Observation Point 11



Exhibit E-13
Key Observation Point 12

